

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
10 February 2005 (10.02.2005)

PCT

(10) International Publication Number
WO 2005/013659 A1

(51) International Patent Classification⁷: **H05K 7/20**

(21) International Application Number:
PCT/NZ2004/000173

(22) International Filing Date: 4 August 2004 (04.08.2004)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
527368 4 August 2003 (04.08.2003) NZ

(71) Applicant and

(72) Inventor: **HILL, Dennis**, [NZ/NZ]; 31 Western Hutt
Road, Lower Hutt (NZ).

(74) Agents: **WEST-WALKER, Gregory, J et al.**; A J Park,
6th Floor Huddart Parker Building, Post Office Square, P
O Box 949, Wellington, 6015 (NZ).

(81) Designated States (unless otherwise indicated, for every
kind of national protection available): AE, AG, AL, AM,

AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN,
CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI,
GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE,
KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD,
MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG,
PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM,
TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM,
ZW.

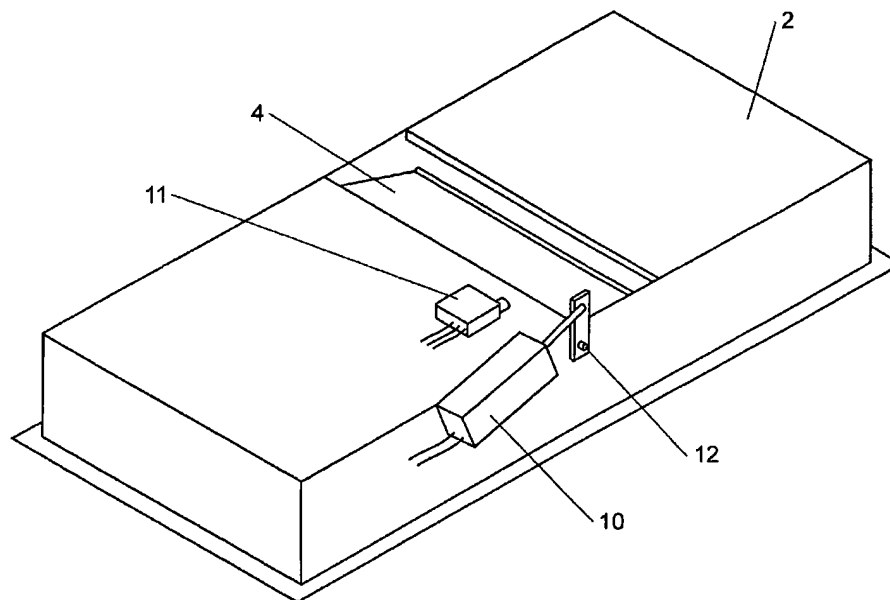
(84) Designated States (unless otherwise indicated, for every
kind of regional protection available): ARIPO (BW, GH,
GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM,
ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM),
European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI,
FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI,
SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ,
GW, ML, MR, NE, SN, TD, TG).

Published:

— with international search report

For two-letter codes and other abbreviations, refer to the "Guid-
ance Notes on Codes and Abbreviations" appearing at the begin-
ning of each regular issue of the PCT Gazette.

(54) Title: CIRCULATION AND EXTERNAL VENTING UNIT



(57) Abstract: Air circulation and ventilation unit (2) provided including housing configured to fit at least partially over the ceiling of an equipment cabinet (1) including fitting over at least one vent (5, 8) in the ceiling of the cabinet so that the interior of the housing is in communication with the interior of the cabinet, housing includes housing vent (4) moveable between open position in which air flows between outside of housing and inside of housing and closed position in which little or no air flows between outside of housing and inside of housing, and controller (3) to control position of housing vent.